

an array of immobilization islands in a specific and predetermined pattern over the surface isolated from each other by at least one background region;

the pattern corresponding to a pattern of a stamping surface able to direct formation of the pattern of the immobilization islands on the surface;

the array of immobilization islands comprising a first self-assembled monolayer having an at least one first functional group and wherein the at least one first functional group is selected to be biophilic; and

the at least one background region comprising a second self-assembled monolayer having a second functional group wherein the second functional group is selected to be biophobic.

### CONCLUSION

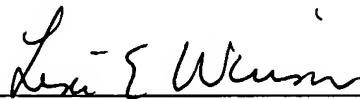
This is a preliminary amendment in which the Applicants have added claims 109-128. No new matter has been added.

A favorable first office action is respectfully requested.

If for any reason, the examiner is of the opinion that a telephone conversation would expedite prosecution, the examiner is invited to contact the undersigned at (617) 720-3500.

Please charge any fee or any fee deficiency occasioned by this amendment to Deposit Account No. 23/2825.

Respectfully submitted,  
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